

10/01/2001
531 Rec'd PCT 13 NOV 2001

SEQUENCE LISTING

<110> FERGUSON, DONA M.
HEGG, LISA ANNE
NURSE, KELVIN C.
STERNER, THERESE ANNE

RECEIVED

JUL 15 2002

TECH CENTER 1600/2900

<120> METHODS OF MODULATING ACTIVITY OF
PROKARYOTIC RIBOSOMES

<130> GM50057

<140> TO BE ASSIGNED

<141> 2001-11-13

<150> PCT/US00/12133

<151> 2000-05-04

<150> 60/134,973

<151> 1999-05-20

<150> 60/137,837

<151> 1999-06-07

<150> 60/139,095

<151> 1999-06-14

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 638

<212> DNA

<213> Escherichia coli

<400> 1

tggcgtaatg atggccaggc tgtctccacc cgagactcag taaaattgaa ctgcgtgtga 60
agatgcagtg taccgcggc aagacggaaa gacccgtga acctttacta tagttgaca 120

ctgaacattg agccttcatg tggatggatg gtggggaggct ttgaagtgtg gacgccagtc 180
tgcacatggagc cgacccatgtaa ataccaccct ttaatgtttg atgttctaac gttgaccgt 240
aatccgggtt gcggacagtgc tctgggtgggt agtttgcactg gggcggtctc ctcctaaaga 300
gtaacggagg agcacgaagg ttggctaatc ctgggtcgac atcaggaggt tagtgcaatg 360
gcataagcca gcttgcactgc gagcgtgacg ggcgcagcag gtgcgaaagc aggtcatagt 420
gatccgggtgg ttctgaatgg aaggccatc gctcaacgga taaaaggtac tccgggata 480
acaggctgat accgcccag agttcatatc gacggcggtg tttggcacct cgatgtcggc 540
tcatcacatc ctggggctga agtaggtccc aagggtatgg ctgttcgcca tttaaagtgg 600
tacgcgagct gggtttagaa cgtcgtgaga cagttcg 638

<210> 2

<211> 2923

<212> DNA

<213> *Staphylococcus aureus*

<400> 2

gattaaggta ttaaggccgc acgggtggatg ccttggact agaagccat gaaggacgtt 60
actaacgcacg atatgccttg gggagctgta agtaagcttt gatccagaga tttccgaatg 120
gggaaaccca gcatgagttt tgcatgttgc tgcataatgtg aatacatagc atatcagaag 180
gcacacccgg agaactgaaa catcttagta cccggagggaa gagaaagaaa attcgattcc 240
cttagtagcg gcgagcggaaa cggaaagagc ccaaaccac aagcttgcctt gttgggttg 300
taggacactc tatacggagt tacaaaggac gacattagac gaatcatctg gaaagatgaa 360
tcaaagaagg taataatcct gtagtcggaaa atgttgcctc tcttgcgtgg atcctgcgtt 420
cgacggagca cgtgaaattc cgtcgaaatc tgggaggacc atctcctaag gctaaatact 480
ctcttagtgcg cgtatgtgaa ccagtaccgt gaggaaagg tgaaaagcac cccggaaagg 540
gagtgaaata gaacctgaaa ccgtgtgcctt acaagtagtc agagccgtt aatgggtgat 600
ggcgtgcctt ttgtagaatg aaccggcgag ttacgatttgc atgcaagggtt aagcagtaaa 660
tgtggagccg tagcgaaagc gagtctgaat agggcgttta gtatggtc gtagaccgaa 720
aaccaggtga tctacccttg gtcaggttgc agttcaggta acactgaatg gaggaccgaa 780
ccgacttacg ttgaaaagtgc agcggatgaa ctgagggttag cggagaaattt ccaatcgaaac 840
ctggagatag ctggttctct ccgaaatagc tttagggcttgc gcctcaagtgc atgattatttgc 900
gaggttagagc actgtttggc cgagggggccc ctctcggtt accgaatttca gacaaactcc 960
gaatgcctaat taatttaact tgggagttag aacatgggtg ataaaggatccg tggatggaaag 1020
ggaaacagcc cagaccacca gctaaagggtcc caaaatataat gttaagtggaa aaaggatgtg 1080
gcgttgcctt gacaactagg atgttggctt agaaggcagcc atcattttaa ggtgcgtt 1140
tagtcacta gtcgagtgac actgcgtccgc aaatgtaccg gggctaaaca tattaccgaa 1200
gctgtggatt gtcctttggc caatggtagg agagcgttgc aagggcgttgc aagcatgtc 1260
gtaaggacat gtggagcgct tagaagtggat aatgcccgtg tgtagtgcga aagacgggtg 1320
agaatcccgat ccaccgattt actaagggtttt ccagggaaag gctcgccgc tctgggttag 1380
tcgggtccctt agctgaggcc gacaggcgta ggcgtatggat aacagggttgc tattccgtt 1440

ccacctataa tcgtttaat cgatgggggg acgcagtagg ataggcgaag cgtgcgattg 1500
gattgcacgt ctaagcagta aggctgagta ttaggcaaat ccggtaactcg ttaaggctga 1560
gctgtatgg ggagaagaca ttgtgtttc gagtcgttga tttcacactg ccgagaaaag 1620
cctctagata gaaaataggt gcccgtaccg caaaccgaca caggtagtca agatgagaat 1680
tctaaggta gcgagcgaac tctcgtaag gaactcggca aaatgacccc gtaacttcgg 1740
gagaagggt gctctttagg gttAACGCC agaagagccg cagtgaatag gcccagcga 1800
ctgttatca aaaacacagg tctctgtcaa accgttaaggt gatgtatagg ggctgacgcc 1860
tgcccggtgc tggaaaggta agaggagtgg ttagcttctg cgaagctacg aatcgaagcc 1920
ccagtaaacg gcggccgtaa ctataacggt cctaaaggtag cgaaattcct tgcgggtaa 1980
gttccgaccc gcacgaaagg cgtaacgatt tggcactgt ctcaacgaga gactcggta 2040
aatcatagta cctgtgaaga tgcagggttac ccgcgacagg acggaaagac cccgtggagc 2100
tttactgttag cctgatattt aaattcggca cagcttgcac agataggtt ggagcctttg 2160
aaacgtgagc gctagcttac gtggaggcgc tgggtggata ctaccctagc tgcgggttt 2220
ttctaaacccg caccacttat cgtgggtggaa gacagtgtca ggccggcagt ttgactgggg 2280
cggtcgccctc ctaaaaggta acggaggcgc tcaaaggttc cctcagaatg gttggaaatc 2340
attcatagag tggaaaggca taagggagct tgactgcgag acctacaagt cgagcagggt 2400
cgaaagacgg acttagtgat ccgggtttc cgcatttgcgatggaa ggccatcgct caacggataa 2460
aagctacccc ggggataaca ggcttatctc ccccaagagt tcacatcgac ggggagggtt 2520
ggcacctcga tgcggctca tcgcattctg gggctgttagt cggcccaag gttgggtctg 2580
ttcgcccatt aaagcggtac gcgagctggg ttcagaacgt cgtgagacag ttccgtccct 2640
atccgtcggtg ggcgttaggaa attttagagg agctgtccctt agtacgagag gaccgggatg 2700
gacatacctc tgggttacca gttgtcgtgc caacggcata gctgggttagc tatgtgttgg 2760
cgggataagt gctgaaagca tctaaaggcatg aagccccctt caagatgaga ttcccaact 2820
tcggttataa gatccctcaa agatgatgag gttaataggt tcgaggttggaa agcatggta 2880
catgtggagc tgacgaatac taatcgatcg aagacttaat caa 2923

<210> 3

<211> 2904

<212> DNA

<213> Escherichia coli

<400> 3

ggtaagcga ctaagcgtac acgggtggatg ccctggcagt cagaggcgat gaaggacgtg 60
ctaattctcgc ataagcgtcg gtaaggtgat atgaaccgtt ataaccggcg atttccgaat 120
ggggaaaccc agtgtgtttc gacacactat cattaactga atccataggt taatgaggcg 180
aaccggggga actgaaacat ctaagtaccc cgaggaaaag aaatcaaccc agattcccc 240
agttagcggcg agcgaacggg gagcagccca gagcctgaat cagtgtgtgt gtttagtggaa 300
gcgtctggaa aggccgcgcga tacagggtga cagccccgtt cacaatggatg cacatgtgt 360
gagctcgatg agtagggcgg gacacgtggatc tccctgtctg aatatggggg gaccatccctc 420
caaggctaaa tactcctgac tgaccgtatag tgaaccagta ccgtgaggga aaggcgaaaa 480

gaaccccgac gaggggagtg aaaaagaacc tgaaccgtg tacgtacaag cagtggagc 540
acgcttaggc gtgtgactgc gtacctttg tataatgggt cagcgactta tattctgttag 600
caaggtaac cgaatagggg agccgaaggg aaaccgagtc ttaactgggc gttaagttgc 660
agggtataga cccgaaaccc ggtgatctag ccatgggcag gttgaagggtt gggtaacact 720
aactggagga ccgaaccgac taatgttcaa aaattagcgg atgacttgc gctgggggtg 780
aaaggccaat caaaccggga gatagctggt tctccccaa agctatttag gtagcgcctc 840
gtgaattcat ctccgggggt agagcactgt ttccggcaagg gggcatccc gacttaccaa 900
cccgatgcaa actgcgaata ccggagaatg ttatcacggg agacacacgg cgggtgctaa 960
cgtccgtcgt gaagagggaa acaaccaga ccgcccagctt aggtcccaaa gtcatggtta 1020
agtggaaac gatgtggaa ggcccagaca gccaggatgt tggcttagaa gcagccatca 1080
tttaaagaaa gcgtaatagc tcactggtcg agtcggcctg cgccgaagat gtaacggggc 1140
taaaccatgc accgaagctg cggcagcgcac gcttatgcgt tggcttagaa gggagcgttc 1200
tgtaagcctg cgaaggtgtg ctgtgaggca tgctggaggt atcagaagtg cgaatgctga 1260
cataagtaac gataaagcgg gtgaaaagcc cgctcgccgg aagaccaagg gttcctgtcc 1320
aacgttaatc gggcagggtt gagtcgaccc ctaaggcgag gccgaaaggc gtagtcgatg 1380
ggaaacaggt taatattcct gtacttggtg ttactgcgaa gggggacgg agaaggctat 1440
gttggccggg cgacgggtgt cccggttaa gcgtgttaggc tggtttcca ggcaaatccg 1500
gaaaatcaag gctgaggcgt gatgacgagg cactacgggt ctgaagcaac aaatgcctg 1560
cttccaggaa aaggctctaa gcatcaggta acatcaaatac gtaccccaaa ccgacacagg 1620
tggtcaggta gagaatacca aggcgcttga gagaactcgg gtgaaggaac taggcaaaat 1680
ggtgcgtaa cttcgggaga aggcacgctg atatgttagt gaggtccctc gcgatggag 1740
ctgaaatcag tcgaagatac cagctggctg caactgttta ttaaaaacac agcaactgtgc 1800
aaacacgaaa gtggacgtat acgggtgtac gcctgcccgg tgccggaaagg ttaattgatg 1860
gggttagcgc aagcgaagct cttgatcgaa gccccggtaa acggcggccg taactataac 1920
ggtcctaagg tagcgaattt cctgtcggg taagttccga ctcgcacgaa tggcgtaatg 1980
atggccaggc tgcgtccacc cgagactcag tgaaattgaa ctcgcgtgtg agatgcgtg 2040
taccggcggc aagacggaaa gaccccgtaa acctttacta tagcttgaca ctgaacattg 2100
agccttgatg tggtaggatag gtggggaggct ttgaagtgtg gacgcccgtc tgcatggagc 2160
cgaccttggaa ataccaccct ttaatgtttt atgttctaac gttgaccctg aatccgggtt 2220
gcggacagtg tctgggtgggt agtttgcgt gggcggtctc ctcctaaaga gtaacggagg 2280
agcacgaagg ttggctaattc ctggcggac atcaggaggt tagtgcaatg gcataagcca 2340
gcttgactgc gagcgtgacg ggcgcagcag gtgcgaaagc aggtcatagt gatccgggtgg 2400
ttctgaatgg aaggccatc gctcaacggta taaaaggtaa tccggggata acaggctgat 2460
accggccaaag agttcatatc gacggcggtg tttggcacct cgatgtcggc tcattcacatc 2520
ctggggctgta agtaggtccc aagggtatgg ctgttcggca tttaaagtgg tacgcgtact 2580
gggttagaa cgtcggtgaga cagttcggtc cctatctgcc gtggcgctg gagaactgag 2640
gggggctgct cctagtacga gaggaccggta gtggacgcatt cactgggttt cgggttgtca 2700
tgccaatggc actgcccgtt agctaaatgc ggaagagata agtgctgaaa gcatctaagc 2760
acgaaacttg ccccgagatg agttctccctt gaccctttaa gggcctgtaa ggaacgttga 2820
agacgacgac gttgataggc cgggtgtgtta agcgcagcga tgcgttgagc taaccgggtac 2880

taatgaaccg tgaggcttaa cctt

2904